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INFORMATION FURNISHED IN CONFORMITY WITH THE CONVENTION ON REGISTRATION OF OBJECTS LAUNCHED INTO OUTER SPACE

Note verbale dated 12 May 1992 from the Permanent Mission of the Russian Federation to the United Nations addressed to the Secretary-General

The Permanent Mission of the Russian Federation to the United Nations presents its compliments to the Secretary-General of the United Nations and, in conformity with article IV of the Convention on Registration of Objects Launched into Outer Space, has the honour to transmit information concerning space objects launched by the USSR in August-December 1991 and by the Russian Federation in January and February 1992 and concerning objects previously launched into earth orbit which are no longer in orbit.

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REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN AUGUST 1991

1. In August 1991, the USSR launched the following space objects:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2707 | Molniya-1 (launched by a Molniya carrier rocket) | 1 August | 40 681 | 653 | 62.9 | 737 | Operation of the long-range telephone and telegraph radio-communications system, transmission of USSR Central Television programmes to stations in the Orbita network |
| 2708 | Meteor-3 (launched by a Tsiklon carrier rocket) | 15 August | 1 219 | 1 196 | 82.6 | 109.4 | Gathering of hydrometeorological data; testing of data-gathering and measuring equipment, of optical and mechanical television and radiometric scanning apparatus, of instruments for geophysical research and of methods for the remote-sensing of the atmosphere and the Earth's surface for various branches of the USSR economy and science; charting the state of the ozone layer, using American TOMS equipment |
| 2709 | Progress M-9 | 21 August | 246 | 192 | 51.6 | 88.6 | Delivery of various cargoes to the Mir manned orbital station |
| 2710 | Resurs-F | 21 August | 272 | 195 | 82.3 | 88.8 | Investigation of the natural resources of the Earth for various branches of the national economy of the USSR and solution of problems relating to the environment and international cooperation |
| 2711 | Cosmos-2154 (launched by a Cosmos carrier rocket) | 22 August | 1 021 | 991 | 82.9 | 104.9 | Investigation of outer space |

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in August 1991 and were no longer in earth orbit at 2400 hours Moscow time on 31 August 1991:

1971-059A (Meteor-1)
1991-038A (Progress M-8)
1991-052A (Resurs-F)

## REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN SEPTEMBER 1991

1. In September 1991, the USSR launched the following space objects:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2712 | Cosmos-2155 (launched by a Proton carrier rocket) | 13 September | 35 850 | 35 850 | 1.3 | 1 436 | Relaying of telegraph and telephone information |
| 2713 | Molniya-3 | 17 September | 40 859 | 464 | 62.7 | 737 | Operation of the long-range telephone and telegraph radio communications system, transmission of USSR Central Television programmes to stations in the Orbita network and in the framework of international cooperation |
| 2714 | Cosmos-2156 (launched by a Soyuz carrier rocket) | 19 September | 369 | 176 | 68.1 | 89.6 | Investigation of the upper atmosphere and outer space |
| 2715 | Cosmos-2157* | 28 September | 1 438 | 1 401 | 82.6 | 114 | Investigation of outer space |
| 2716 | Cosmos-2158* | " | " | " | " | " | " |
| 2717 | Cosmos-2159* | " | " | " | " | " | " |
| 2718 | Cosmos-2160* | " | " | " | " | " | " |
| 2719 | Cosmos-2161* | " | " | " | " | " | " |
| 2720 | Cosmos-2162* | " | " | " | " | " | " |

* Space objects Cosmos-2157, Cosmos-2158, Cosmos-2159, Cosmos-2160, Cosmos-2161 and Cosmos-2162 were launched by a single Tsiklon carrier rocket.

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in September 1991 and were no longer in earth orbit at 2400 hours Moscow time on 30 September 1991:

1990-022A (Cosmos-2060)
1991-057A (Progress M-9)
1991-058A (Resurs F-2)

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REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN OCTOBER 1991

1. In October 1991, the USSR launched the following space objects:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2721 | Soyuz TM-13 | 2 October | 312 | 276 | 51.6 | 90.2 | Transport to the Mir manned orbital station of an international crew comprising the cosmonauts A. Volkov (USSR), T. Aubakirov (USSR) and F. Viehboeck (Austria) to conduct joint scientific and technical research and experiments with the cosmonauts A. Artsebarsky and S. Krikalev |
| 2722 | Photon-4 (launched by a Soyuz carrier rocket) | 4 October | 417 | 223 | 62.8 | 90.6 | Continuation of space materials research conducted jointly with Germany and France |
| 2723 | Cosmos-2163 (launched by a Soyuz carrier rocket) | 9 October | 331 | 174 | 64.8 | 89.3 | Investigation of the upper atmosphere and outer space |
| 2724 | Cosmos-2164 (launched by a Cosmos carrier rocket) | 10 October | 720 | 290 | 74 | 94.5 | " |
| 2725 | Progress M-10 | 17 October | 245 | 190 | 51.6 | 88.6 | Delivery of various cargoes to the Mir manned orbital station |
| 2726 | Gorizont (launched by a Proton carrier rocket) | 23 October | 36 003 | 36 003 | 1.4 | 1 447 | Maintenance of telephone and telegraph radio communications and transmission of television broadcasts |

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in October 1991 and were no longer in earth orbit at 2400 hours Moscow time on 31 October 1991:

1975-056A (Cosmos-744)
1986-017CR (Mak-1)
1991-034A (Soyuz TM-12)
1991-070A (Photon)

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REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN NOVEMBER 1991

1. In November 1991, the USSR launched the following space objects:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2727 | Cosmos-2165* (launched by a Tsiklon carrier rocket) | 12 November | 1 438 | 1 400 | 82.6 | 114 | Investigation of outer space |
| 2728 | Cosmos-2166* | " | " | " | " | " | " |
| 2729 | Cosmos-2167* | " | " | " | " | " | " |
| 2730 | Cosmos-2168* | " | " | " | " | " | " |
| 2731 | Cosmos-2169* | " | " | " | " | " | " |
| 2732 | Cosmos-2170* | " | " | " | " | " | " |
| 2733 | Cosmos-2171 (launched by a Soyuz carrier rocket) | 20 November | 343 | 196 | 62.8 | 89.6 | Investigation of the upper atmosphere and outer space |
| 2734 | Cosmos-2172 (launched by a Proton carrier rocket) | 22 November | 36 318 | 36 318 | 1.4 | 1 462 | Relaying of telegraph and telephone information |
| 2735 | Cosmos-2173 (launched by a Cosmos carrier rocket) | 27 November | 1 030 | 965 | 82.9 | 104.8 | Investigation of outer space |

* Space objects Cosmos-2165, Cosmos-2166, Cosmos-2167, Cosmos-2168, Cosmos-2169 and Cosmos-2170 were launched by a single carrier rocket.

All objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in November 1991 and were no longer in earth orbit at 2400 hours Moscow time on 30 November 1991:

1991-066A (Cosmos-2156)

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REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE USSR IN DECEMBER 1991

1. In December 1991, the USSR launched the following space objects:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2736 | Cosmos-2174 (launched by a Soyuz carrier rocket | 17 December | 331 | 204 | 64.9 | 89.6 | Investigation of the upper atmosphere and outer space |
| 2737 | Intercosmos-25 with the Czechoslovak satellite Magion-3* on board (launched by a Tsiklon carrier rocket) | 18 December | 3 083 | 440 | 82.5 | 121.7 | Comprehensive study of the effects of the artificial impact of modulated electron flows and plasma beams on the ionosphere and magnetosphere of Earth (forming part of the Apex international scientific project, conducted jointly with Bulgaria, Czechoslovakia, Germany, Hungary, Poland and Romania |
| 2738 | Raduga (launched by a Proton carrier rocket) | 19 December | 36 500 | 36 500 | 1.4 | 1 472 | Telephone and telegraph communications and transmission of television programmes |

* The Czechoslovak satellite Magion-3 was separated from the space object Intercosmos-25 on 28 December 1991, in accordance with the scientific programme of the Apex project.

All space objects were launched from the territory of the USSR.

2. The following space objects ceased to exist in December 1991 and were no longer in earth orbit at 2400 hours Moscow time on 31 December 1991:

1991-071A (Cosmos-2163)

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDRATION IN JANUARY 1992

1. In January 1992, the following space objects were launched:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2739 | Cosmos-2175 (launched by a Soyuz carrier rocket from the Plesetsk launching site) | 21 January | 373 | 173 | 67.1 | 88.6 | Investigation of the upper atmosphere and outer space |
| 2740 | Cosmos-2176 (launched by a Molniya carrier rocket from the Plesetsk launching site) | 24 January | 39 342 | 613 | 62.8 | 799 | Investigation of outer space |
| 2741 | Progress M-11 (launched by a Soyuz carrier rocket from the Baikonur launching site) | 25 January | 245 | 190 | 51.6 | 86.6 | Delivery of various cargoes to the Mir manned orbital station |
| 2742 | Cosmos-2177* | 30 January | 19 150 | 19 150 | 64.5 | 676 | Testing of components and apparatus of the Glonass global space navigation system being set up to determine the position of civil aircraft and vessels of the merchant marine and fishing fleet |
| 2743 | Cosmos-2178* | " | " | " | " | " | " |
| 2744 | Cosmos-2179* | " | " | " | " | " | " |

* Space objects Cosmos-2177, Cosmos-2178 and Cosmos-2179 were launched by a single Proton carrier rocket from the Baikonur launching site.

2. The following space objects ceased to exist in January 1992 and were no longer in earth orbit at 2400 hours Moscow time on 31 January 1992:

1973-080A (Cosmos-604)
1991-073A (Progress M-10)
1991-078A (Cosmos-2171)
1991-085A (Cosmos-2174)

REGISTRATION DATA ON SPACE OBJECTS LAUNCHED BY THE RUSSIAN FEDERATION IN FEBRUARY 1992

1. In February 1992, the following space objects were launched:

| No. | Name of space object | Date of launching | Basic orbit characteristics | | | | General purpose of space object |
|---|---|---|---|---|---|---|---|
| | | | Apogee (km) | Perigee (km) | Inclination (degrees) | Period (minutes) | |
| 2745 | Cosmos-2180 (launched by a Cosmos carrier rocket from the Plesetsk launching site) | 18 February | 1 028 | 980 | 82.9 | 104.9 | Investigation of outer space |

2. The following space objects ceased to exist in February 1992 and were no longer in earth orbit at 2400 hours Moscow time on 29 February 1992:

1990-038A (Cosmos-2075)
1990-058A (Gamma)